

Application No.: 10/713174

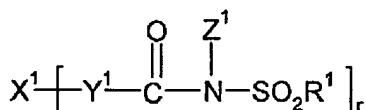
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Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently amended) A compound of Formula I:



I

wherein

X^1 is a substrate-reactive functional group selected from a carboxy, halocarbonyl, halocarbonyloxy, cyano, hydroxy, mercapto, isocyanato, halosilyl, alkoxysilyl, acyloxysilyl, azido, aziridinyl, ~~halealkyl~~, tertiary amino, primary aromatic amino, secondary aromatic amino, disulfide, alkyl disulfide, benzotriazolyl, phosphono, phosphoroamido, or phosphato, or ethylenically unsaturated group;

Y^1 is a single bond or a divalent group comprising at least one heteroalkylene having an oxy group or a $-NR^d$ - group, at least one alkylene, or combinations thereof, wherein Y^1 can optionally further comprise an selected from an alkylene, heteroalkylene, arylene, carbonyl, carbonyloxy, carbonylimino, oxy, thio, $-NR^d$ - where R^d is hydrogen or alkyl, or combinations thereof;

Z^1 is an alkyl, aryl, or $-(CO)R^a$ wherein R^a together with R^1 and groups to which they are attached form a four to eight membered heterocyclic or heterobicyclic group having a nitrogen heteroatom and a sulfur heteroatom, wherein said heterocyclic or heterobicyclic group can be fused to an optional aromatic group, optional saturated or unsaturated cyclic group, or optional saturated or unsaturated bicyclic group benzene ring;

R^1 is an alkyl, fluoroalkyl, chloroalkyl, aryl, NR^bR^c wherein R^b and R^c are each an alkyl group or taken together with the nitrogen atom to which they are attached form a four to eight membered cyclic group, or R^1 together with R^a and the groups to which they are attached

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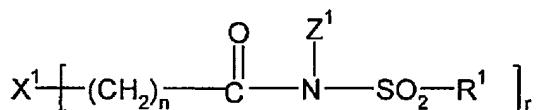
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form the four to eight membered heterocyclic or heterobicyclic group that can be fused to the optional aromatic group, optional saturated or unsaturated cyclic group, or optional saturated or unsaturated bicyclic group benzene ring;

r is equal to 1 when X^1 is a monovalent group or equal to 2 when X^1 is a divalent group; and

said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

2. (Original) The compound of claim 1, wherein the compound has a formula

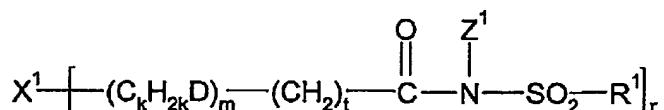


wherein

n is an integer of 1 to 100; and

said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

3. (Currently amended) The compound of claim 1, wherein the compound has a formula



wherein

D is oxygen, sulfur, or NH;

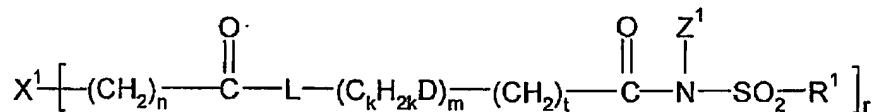
t is an integer of 0 to 12;

k is an integer of 2 to 4;

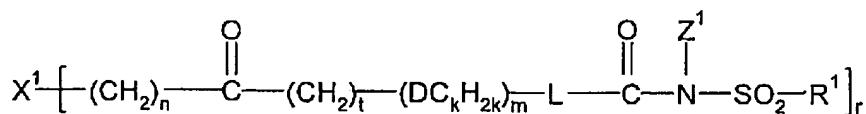
m is an integer of 1 to 200; and

said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

4. (Currently amended) The compound of claim 1, wherein the compound has a formula



or



wherein

D is oxygen, sulfur, or NH;

n is an integer of 1 to 100;

m is an integer of 1 to 200;

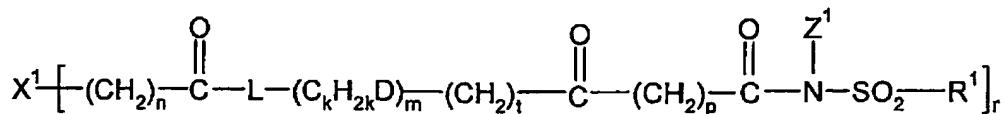
t is an integer of 0 to 12;

k is an integer of 2 to 4;

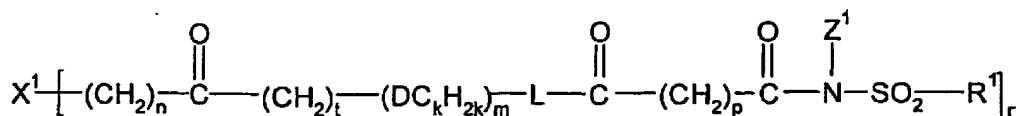
L is oxygen or NR^d where R^d is hydrogen or alkyl; and

said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

5. (Currently amended) The compound of claim 1, wherein the compound is of formula



or



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wherein

D is oxygen, sulfur, or NH;

n is an integer of 1 to 100;

m is an integer of 1 to 200;

t is an integer of 0 to 12;

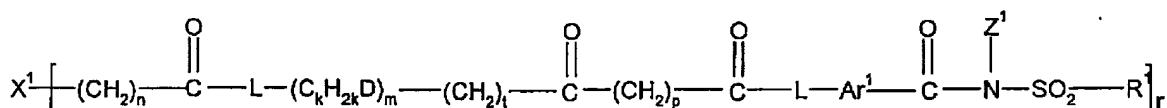
k is an integer of 2 to 4;

p is an integer of 1 to 10;

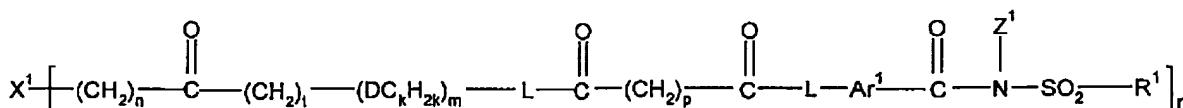
L is oxygen or NR^d where R^d is hydrogen or alkyl; and

said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

6. (Currently amended) The compound of claim 1, wherein the compound is of formula



or



wherein

D is oxygen, sulfur, or NH;

n is an integer of 1 to 100;

m is an integer of 1 to 200;

t is an integer of 0 to 12;

k is an integer of 2 to 4;

p is an integer of 1 to 10;

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L is oxygen or NR^d where R^d is hydrogen or alkyl;

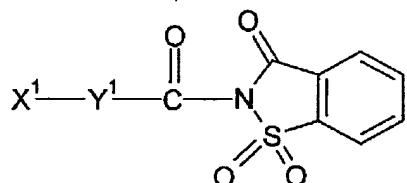
Ar¹ is an arylene; and

said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

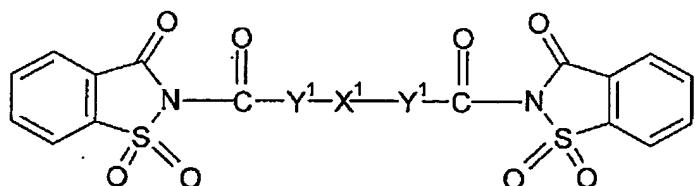
7. (Original) The compound of claim 1, wherein Z¹ is a C₁₋₁₀ alkyl and R¹ is a C₁₋₁₀ fluoroalkyl.

8. (Original) The compound of claim 1, wherein Z¹ is an aryl and R¹ is a C₁₋₁₀ fluoroalkyl.

9. (Original) The compound of claim 1, where the compound is of formula



where X¹ is monovalent or

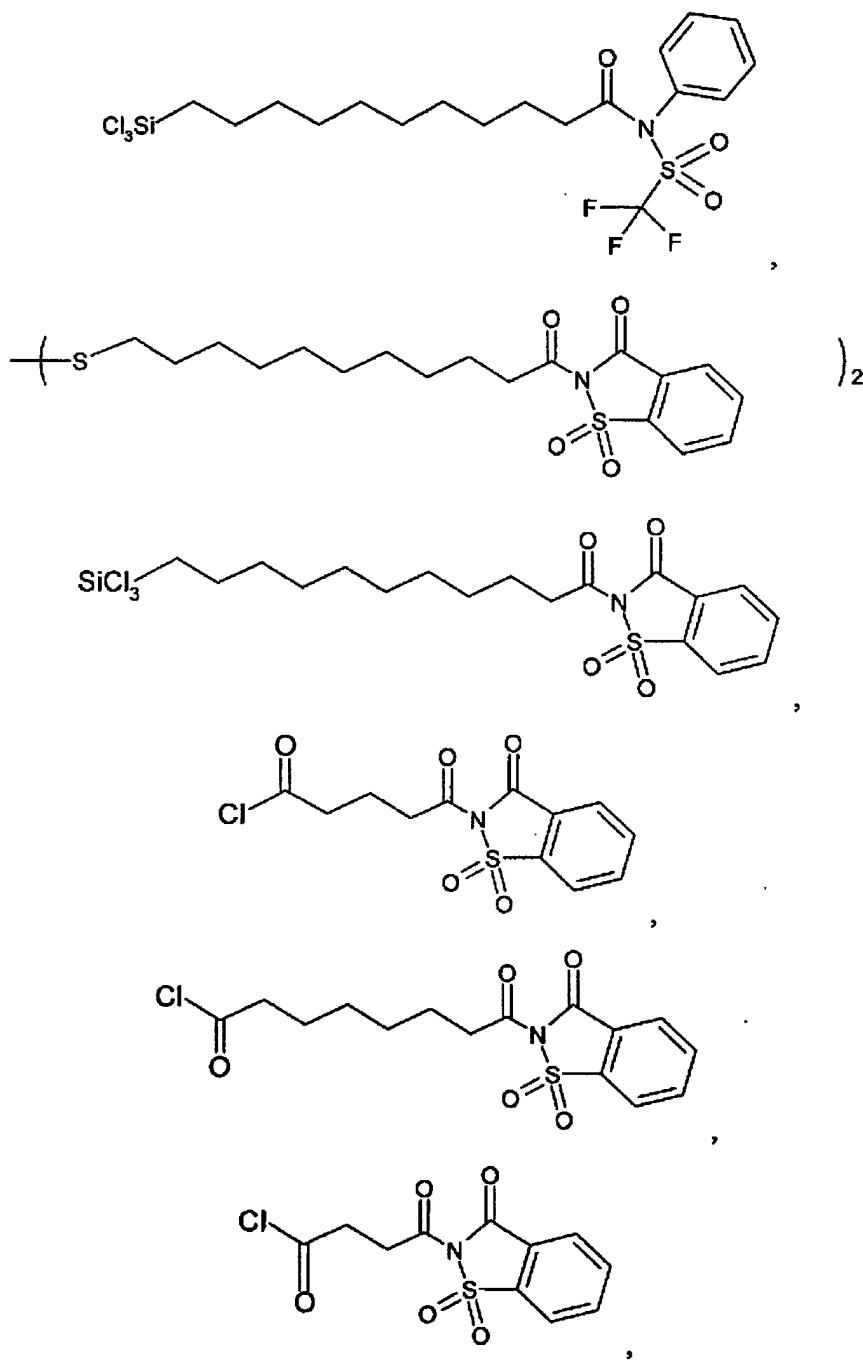


where X¹ is divalent and said compound is unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

10. (Original) The compound of claim 1, wherein the compound is

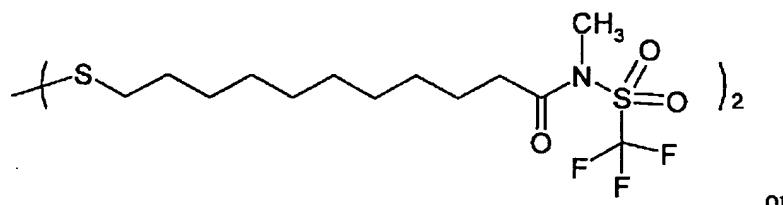
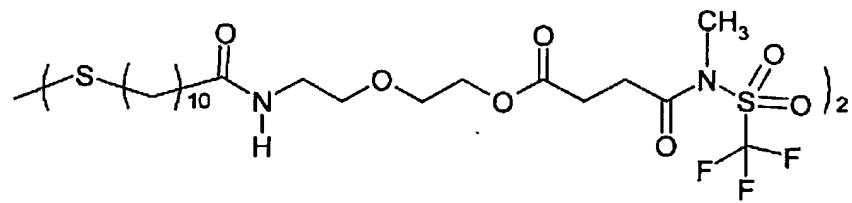
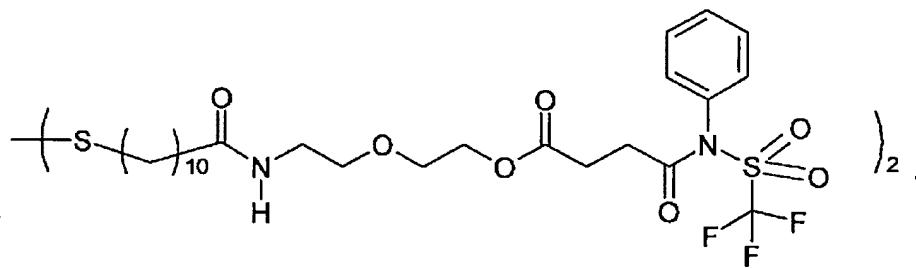
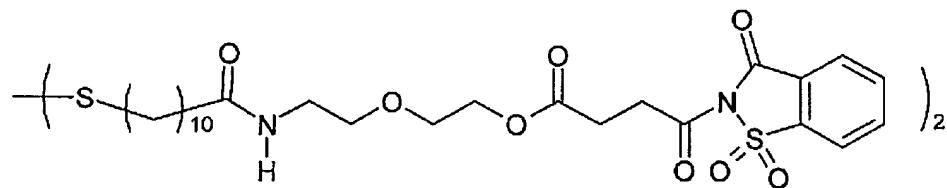
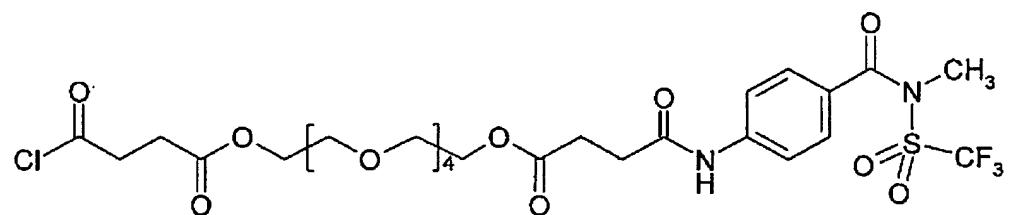
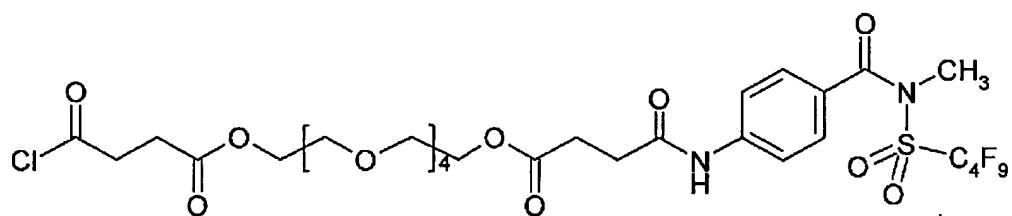
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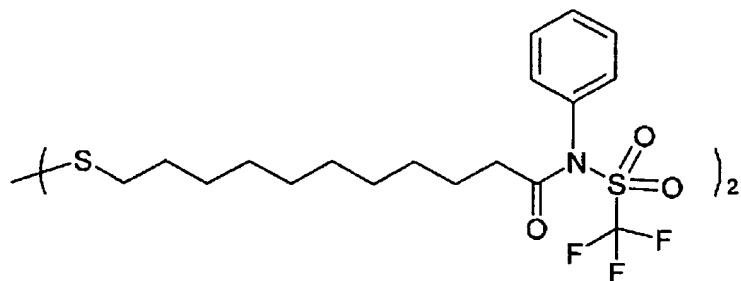
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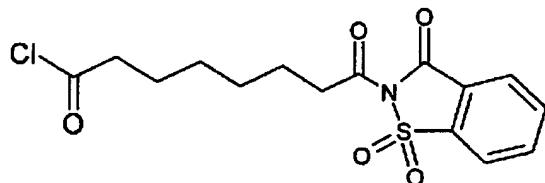
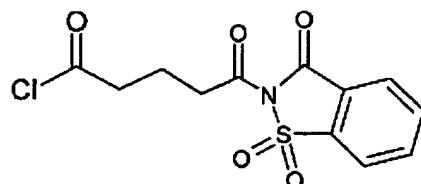
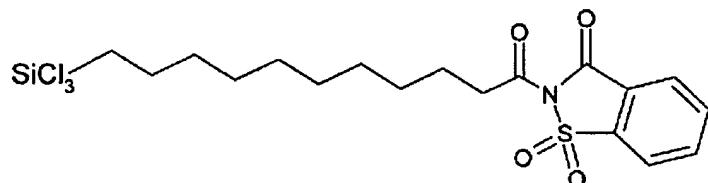
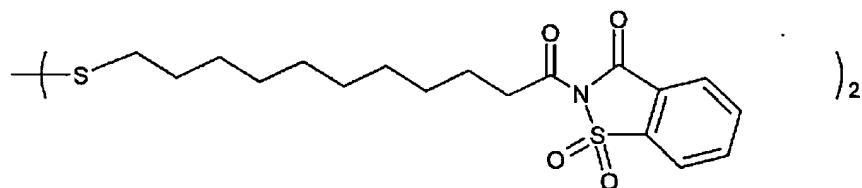
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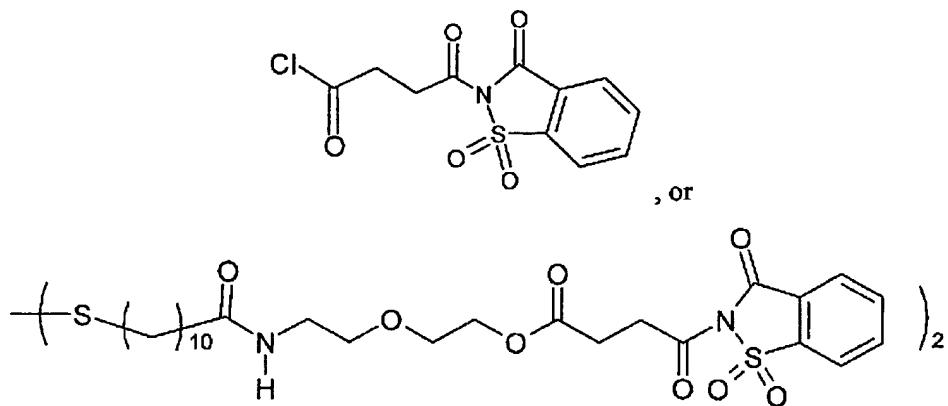
said compound being unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

11. (Original) The compound of claim 1, wherein the compound is



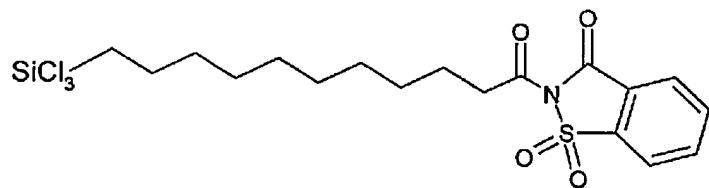
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said compound being unsubstituted or substituted with a halo, alkyl, alkoxy, or combinations thereof.

12. (Original) The compound of claim 1, wherein the compound is



13-35. (Cancelled)

36. (New) The compound of claim 1, wherein Y¹ comprises at least one heteroalkylene and at least one alkylene.

37. (New) The compound of claim 1, wherein Y¹ comprises at least one alkylene.

38. (New) The compound of claim 1, wherein Y¹ comprises at least one heteroalkylene having an oxy group or a -NR^d- group.

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39. (New) The compound of claim 1, wherein X^1 is halosilyl, alkoxysilyl, or acloxsilyl.

40. (New) The compound of claim 1, wherein X^1 is disulfide or alkyl disulfide.

41. (New) The compound of claim 1, wherein Z^1 is $-(CO)R^a$ wherein R^a together with R^1 and groups to which they are attached form a five membered heterocyclic group.

42. (New) The compound of claim 41, wherein the five membered heterocyclic group is fused to a benzene ring.

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